

Table WF01. Average Consumer Prices and Expenditures for Heating Fuels During the Winter

U.S. Energy Information Administration | Short-Term Energy Outlook - October 2021

Fuel / Region	Winter of							Forecast	
	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	% Change
Natural Gas									
Northeast									
Consumption (Mcf**)	72.2	57.4	61.5	65.3	66.8	61.1	62.1	64.2	3.4
Price (\$/mcf)	10.80	10.18	10.70	11.37	11.67	11.72	11.77	13.46	14.4
Expenditures (\$)	780	584	659	742	779	716	731	865	18.2
Midwest									
Consumption (Mcf)	79.1	63.6	64.8	73.9	76.9	69.7	70.6	72.5	2.7
Price (\$/mcf)	8.54	7.55	8.28	7.83	7.82	7.44	7.80	11.28	44.7
Expenditures (\$)	676	480	536	578	601	519	551	818	48.6
South									
Consumption (Mcf)	50.9	40.3	38.0	45.6	46.0	41.5	44.9	44.8	-0.2
Price (\$/mcf)	10.75	10.72	12.04	11.23	10.61	11.03	11.40	13.90	21.9
Expenditures (\$)	548	432	457	512	488	458	512	623	21.6
West									
Consumption (Mcf)	40.1	44.7	45.7	43.9	48.9	47.5	46.5	47.8	2.7
Price (\$/mcf)	10.71	9.92	10.68	10.25	10.14	10.44	11.38	13.69	20.3
Expenditures (\$)	430	444	488	450	496	496	530	654	23.5
U.S. Average									
Consumption (Mcf)	60.7	51.8	53.0	57.6	60.3	55.5	56.3	57.7	2.4
Price (\$/mcf)	9.89	9.28	10.06	9.82	9.72	9.72	10.17	12.92	27.1
Expenditures (\$)	601	481	533	565	586	540	573	746	30.2
Heating Oil									
U.S. Average									
Consumption (gallons)	548.2	436.6	468.3	495.6	512.0	467.9	474.8	511.1	7.7
Price (\$/gallon)	3.04	2.06	2.41	2.78	3.07	2.89	2.55	3.39	33.1
Expenditures (\$)	1,668	900	1,128	1,376	1,570	1,353	1,210	1,734	43.3
Electricity									
Northeast									
Consumption (kWh***)	8,927	7,705	8,050	8,345	8,481	8,014	8,172	8,346	2.1
Price (\$/kwh)	0.168	0.164	0.165	0.169	0.169	0.171	0.172	0.184	7.3
Expenditures (\$)	1,501	1,263	1,324	1,407	1,435	1,374	1,404	1,538	9.6
Midwest									
Consumption (kWh)	10,816	9,366	9,480	10,383	10,711	10,006	10,157	10,336	1.8
Price (\$/kwh)	0.118	0.122	0.124	0.124	0.123	0.124	0.126	0.130	3.0
Expenditures (\$)	1,274	1,138	1,173	1,289	1,320	1,245	1,284	1,346	4.9
South									
Consumption (kWh)	10,306	8,786	8,516	9,550	9,544	8,901	9,460	9,498	0.4
Price (\$/kwh)	0.111	0.110	0.111	0.112	0.113	0.115	0.116	0.123	6.4
Expenditures (\$)	1,142	968	949	1,065	1,074	1,021	1,098	1,173	6.8
West									
Consumption (kWh)	7,836	8,448	8,568	8,339	8,998	8,824	8,772	8,939	1.9
Price (\$/kwh)	0.127	0.130	0.132	0.136	0.136	0.138	0.147	0.149	0.9
Expenditures (\$)	993	1,096	1,129	1,131	1,224	1,218	1,294	1,330	2.8
U.S. Average									
Consumption (kWh)	9,421	8,459	8,428	9,054	9,261	8,767	9,079	9,193	1.3
Price (\$/kwh)	0.123	0.124	0.125	0.126	0.127	0.129	0.131	0.138	5.0
Expenditures (\$)	1,159	1,045	1,056	1,143	1,174	1,128	1,192	1,268	6.3

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	14-15	15-16	16-17	17-18	18-19	19-20	20-21	21-22	% Change
Propane									
Northeast									
Consumption (gallons)	629.7	505.7	542.6	569.2	585.7	538.4	545.0	563.7	3.4
Price* (\$/gallon)	3.00	2.71	3.03	3.24	3.19	2.50	2.51	3.57	42.2
Expenditures (\$)	1,889	1,370	1,644	1,844	1,869	1,346	1,368	2,012	47.1
Midwest									
Consumption (gallons)	756.0	618.3	629.0	715.2	747.0	679.5	685.4	702.2	2.5
Price* (\$/gallon)	1.91	1.47	1.58	1.82	1.72	1.53	1.56	2.57	64.7
Expenditures (\$)	1,444	909	994	1,302	1,285	1,040	1,069	1,805	68.8
South									
Consumption (gallons)	560.7	449.0	428.1	504.6	504.5	459.2	493.8	496.2	0.5
Price* (\$/gallon)	2.98	2.27	2.45	2.59	2.63	2.31	2.33	3.31	42.3
Expenditures (\$)	1,671	1,020	1,047	1,308	1,326	1,063	1,148	1,643	43.0
Number of households by primary space heating fuel (thousands)									
Northeast									
Natural gas	11,705	11,802	11,918	12,063	12,183	12,349	12,516	12,670	1.2
Heating oil	5,097	4,923	4,774	4,724	4,610	4,448	4,304	4,144	-3.7
Propane	856	884	933	977	1,019	1,039	1,042	1,077	3.3
Electricity	3,093	3,253	3,326	3,387	3,482	3,585	3,713	3,818	2.8
Wood	569	511	471	469	462	351	218	162	-26.0
Other/None	437	433	433	441	447	469	508	533	4.9
Midwest									
Natural gas	18,206	18,241	18,236	18,319	18,372	18,211	18,045	18,063	0.1
Heating oil	319	301	286	278	273	262	247	234	-5.2
Propane	2,085	2,077	2,057	2,115	2,184	2,218	2,248	2,274	1.2
Electricity	5,514	5,747	5,871	5,978	6,027	6,221	6,507	6,681	2.7
Wood	617	587	552	527	507	471	426	378	-11.4
Other/None	351	354	359	361	349	362	395	405	2.7
South									
Natural gas	13,919	13,948	13,913	13,970	14,037	14,160	14,321	14,380	0.4
Heating oil	681	653	619	609	583	553	534	508	-4.9
Propane	1,925	1,899	1,858	1,852	1,862	1,893	1,908	1,891	-0.9
Electricity	28,843	29,509	29,873	30,326	30,708	30,965	31,360	31,910	1.8
Wood	593	552	509	484	475	464	452	446	-1.3
Other/None	407	413	426	434	454	483	506	540	6.7
West									
Natural gas	15,227	15,312	15,427	15,570	15,650	15,646	15,613	15,637	0.2
Heating oil	225	219	214	214	217	204	187	180	-3.6
Propane	915	923	935	963	987	967	943	941	-0.1
Electricity	8,927	9,228	9,351	9,490	9,646	9,847	10,104	10,309	2.0
Wood	749	719	700	689	677	666	666	664	-0.2
Other/None	1,075	1,087	1,058	1,089	1,091	1,121	1,223	1,282	4.9
U.S. Totals									
Natural gas	59,057	59,303	59,494	59,922	60,241	60,366	60,495	60,751	0.4
Heating oil	6,322	6,095	5,893	5,825	5,683	5,466	5,272	5,066	-3.9
Propane	5,781	5,783	5,784	5,906	6,053	6,117	6,140	6,183	0.7
Electricity	46,377	47,737	48,420	49,180	49,863	50,617	51,685	52,718	2.0
Wood	2,528	2,369	2,232	2,170	2,121	1,953	1,763	1,650	-6.4
Other/None	2,271	2,287	2,277	2,326	2,340	2,436	2,632	2,761	4.9
Heating degree days									
Northeast	5,647	4,320	4,699	5,014	5,165	4,656	4,738	4,928	4.0
Midwest	6,003	4,689	4,792	5,577	5,846	5,228	5,297	5,457	3.0
South	2,692	2,015	1,884	2,353	2,361	2,074	2,284	2,293	0.4
West	2,570	2,958	3,043	2,890	3,300	3,190	3,106	3,214	3.5
U.S. Average	3,890	3,209	3,264	3,622	3,801	3,444	3,529	3,620	2.6

Note: Winter covers the period October 1 through March 31. Fuel prices are nominal prices. Fuel consumption per household is based only on households that use that fuel as the primary space-heating fuel. Included in fuel consumption is consumption for water heating, appliances, electronics, and lighting (electricity). Per-household consumption based on EIA's 2015 Residential Energy Consumption Surveys corrected for actual and projected heating degree days. Number of households using heating oil includes kerosene.

* Prices exclude taxes

** thousand cubic feet

*** kilowatthour